

MSROC Updates

International Collaborations, Partnerships, and Community Connections

MSROC
Community
Meeting
Dec 2024



MSROC Annual Community Meeting



What is MSROC?

- Marine Seismic Research Operations Committee; OBSIC-OC
- Representatives of marine seismic community; Liaison between community and facilities, NSF
- Summary of Terms: Input on technological advances, regional planning, international collaborations and facilities, promote training and engagement of early career and new marine seismic researchers

unols.org

MSROC Annual Community Meeting



Membership (3 year staggered terms):

- Lindsay Worthington (UNM-Chair)
- Andrew Gase (WWU)
- Shuoshuo Han (UTIG)
- Satish Singh (IPGP)
- Jared Kluesner (USGS)
- Anne Bécel (LDEO)
- *Ex-officio*: Dan Lizarralde (WHOI), Lee Ellett (SIO), Debbie Bronk
- Thank you to members rotating off:
 - Helen Janiszewski (U of HI), Beatrice Magnani (SMU), Robert Steinhaus
- New members starting Dec 2024:
 - Donna Shillington (NAU), Joshua Russell (Syracuse), Maureen Walton (NRL)

MSROC Annual Community Meeting



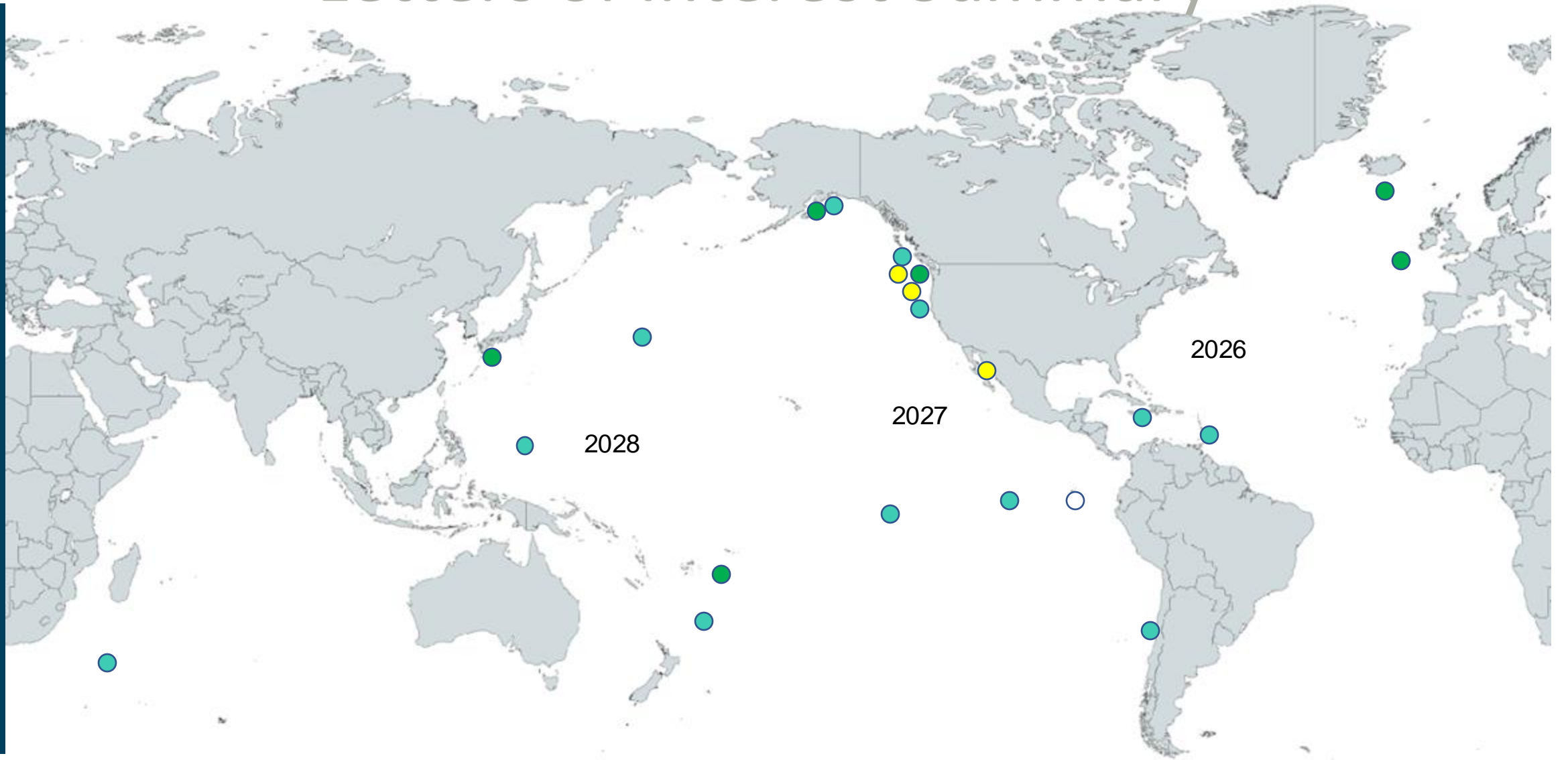
Major Activities 2024:

- April: Committee Business Meeting
 - Early career follow up
 - Membership planning
 - Community meeting planning
- Oct: Regional planning meeting (virtual)
 - MSROC provided input to NSF for an updated *Langseth* regional plan
 - Solicited Letters of Interest (22); virtual meeting
 - NSF will accept proposals for:
 - 2026: Western Atlantic, Gulf of Mexico, Caribbean
 - 2027-2028: Eastern Pacific, transitioning to western Pacific
- Dec: Annual Community Meeting
 - International Collaboration and Facilities

Letters of Interest Summary

Contact	Region	Details	Survey Mode	Approx Days
Uge	Caribbean	Eastern Caribbean	long offset 2D, OBS refraction	40
McHugh/Wright	Caribbean	Jamaica fault zone	long offset 2d/piston core	45
Jones	N Atlantic	Eriador Ridge and conjugate Greenland	3D or dense 2D	42
Jones	N Atlantic	Reykjanes Ridge	3D	42
Gase	Alaska	Alaska 3d 1964	3D	50
Worthington/Shillington	Alaska	Alaska 2d 1964/1946	long offset 2D, OBS refraction	40
Boston	Cascadia	Nitinat Fan/Cascadia 3d	high res 2D/3D	35
Brandl	Cascadia	Explorer Triple Junction	long offset 2D, OBS refraction	40
Han	Cascadia	Juan de Fuca fluids	high res 2D	18
Gong	NE Pacific	Gorda plate deformation	long offset 2D, OBS refraction	35
Jian	NE Pacific	Axial 3d OBS	active OBS 3d	30
Han	Chile	Central Chile SZ4D	long offset 2D, OBS refraction	37/44
Eilon	E Pacific	Galapagos Triple Junction	passive OBS deployment	31/27/28
Gase	E Pacific	Gofar transform EM	long offset 2D, 3D OBS refraction	50
Stock	Gulf of California	Gulf of California P cable	high res 3d P-cable	20
Nakata	Japan	Hyuga-Nada, Japan	3D MCS/OBS	40
Sager	NW Pacific	Shatsky Rise IODP site survey	long offset 2D	30
Gase	New Zealand	Kermedec subduction	long offset 2D, OBS refraction	50
Worthington	Pacific	Pacific gravity rolls	long offset 2D, OBS refraction	40
Uge	W Pacific	Challenger Deep	long offset 2D, OBS refraction	40
Zhang	W Pacific	Hunga Tonga-Hunga Ha'apai	3D	36
Gong	Indian Ocean	SW Indian Ridge	long offset MCS/OBS/ROV/dredging	20/23

Letters of Interest Summary



3D, long-offset 2D/OBS, high-res

Major Activities for 2025

- What do we want to see?
 - Some ideas – science and skill-sharing webinars, industry connections...for discussion throughout the day!

